

WKC 2803 VD

GRUNDIG

Deutsch

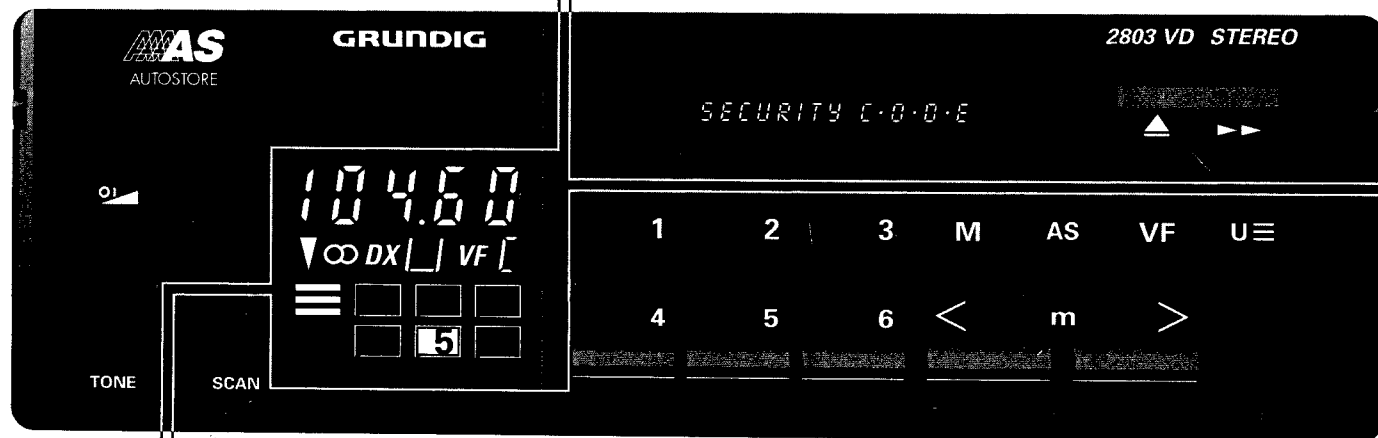
Seite 4 – 17

English

page 18 – 31

Verstärker
Amplifier

Cassette



Radio

Contents

Page /	Contents
18	Contents
19	Please note
19	Identity card
19	Installation of car radio
19	Traffic safety
19	Theft protection
19	Code label
20	Amplifier
20	The radio at a glance
22	The cassette at a glance
23	Radio
23	Reception conditions
23	Stereo broadcasts
23	Autostore
24	Range selection
24	Station tuning
25	Storing stations in memory
26	Selecting stored stations
26	Scan function
27	Traffic flash standby
28	Coding
28	Activation
28	Coding activated?
28	Putting unit into operation again
29	Deactivation
30	Care and maintenance
30	Mounting and removal
30	Mounting material and accessories
30	Inserting mounting frame
30	Connecting aerial
31	Contact blades 1 to 12
31	Fuse
31	Inserting car radio
31	Pulling out car radio

Please note

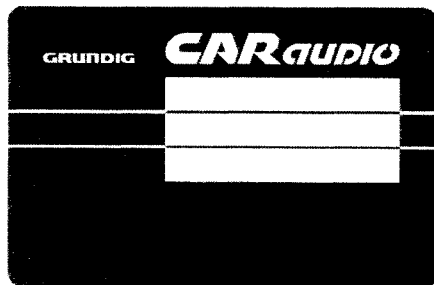
Identity card

The identity card of your unit contains the unit type, the serial number, and the code number.

The serial number is identical with the number punched into the set.

The card facilitates criminal investigation by the police in the case of theft of the unit and gives evidence of ownership for faster settlement of the insurance claim.

Keep the card in a safe place, out of the reach of unauthorised persons.



Installation of car radio

These operating instructions assume that your car radio has been correctly connected and fitted by your dealer.

If you wish to install the unit yourself, you should first note the information on "**Mounting and removal**" on the pages 30 and 31 and the figures at the end of the booklet.

Traffic safety

Operation at high volume can endanger yourself and others in traffic. Therefore, you should always adjust the volume so that you can still notice ambient noises (eg: horns, rescue vehicles, police cars, etc.)

Theft protection

by coding. Your personal code number is located on the identity card of the set.

If the coding of your unit has been "activated":

When the unit is separated from the electric supply (permanent plus, car terminal 30), the unit will be electronically locked.

Only you can put the into operation again, by entering your personal code number.

For this, see **Coding "Activation"** (page 28).

Code label



The code labels (affixed behind the car window) and the word "SAFE" flashing in the display of the activated unit show:

The unit is without any worth for the thief.

Amplifier

Switching on and off

off  on

Off: – no indication in display or
– SRFE in display;
(see "Theft protection")

In case of cassette operation:
press  button fully in.

Range selection

U – ranges: $\text{—}U$, $\text{=}U$ and $\text{≡}U$
(stepping button).

M – range

AS – range: press button
briefly (see "Autostore").

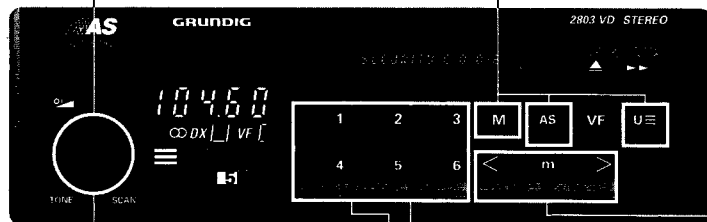
Station tuning

– Select range

Station search  frequency –
 frequency +

Manual

First press  button,
then  frequency –
or  frequency +



Volume and tone

softer  louder

Lightly pull out control
and turn:

less treble  less bass

Storing stations in memory

Each of the memory positions  – 
can be allocated to one station each in
the ranges

$\text{—}U$, $\text{=}U$, $\text{≡}U$, **AS** (with or without
traffic flash standby) and **M**.

– Tune to station.

**Press desired station position button
and hold until station tuned to becomes
audible again.**

Selecting stored stations

– Select range

Press memory position button

The radio at a glance

Scan function

All stations allocated to memory positions **1** – **6** in the ranges

– **U**, **= U**, **≡ U**, **AS** or **M**

can be selected one after another for approx. 7 seconds.

– Select range: **U** or **AS** or **M**.

Starting Scan: press multifunction control.

Interrupting Scan:

press multifunction control;
the station selected remains audible.

Stopping Scan: press **U** button.



Autostore

Automatic station memory

Press the button for approx. 3 seconds:

- in the **AS** range,
the **6 strongest VHF stations**
of your reception area are automati-
cally stored in the
memory positions **1** – **6**.

Traffic flash standby

for traffic announcements

– Tune to station:

Traffic news stations

can be recognised on the area code
in the display (eg.: **C**).

Switching on traffic flash standby:

Press button,

VF shown in display.

... Traffic flashes come through with a certain **minimum volume**, even if the multifunction control **▲** is set to a lower volume.

... Only traffic flashes

will be heard, if the adjusted volume is "zero".

... Automatic station search

if you leave the broadcasting area
of the station tuned to.

... A warning tone will sound

if no traffic flash station
can be found.

Switching off traffic flash standby:

Press button;

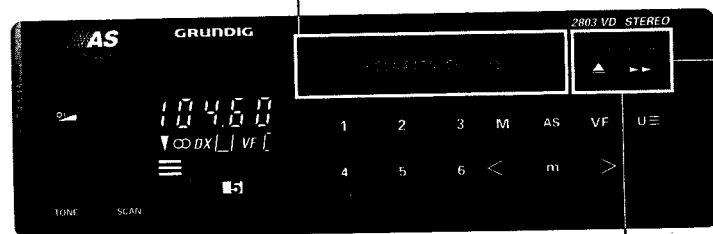
no **VF** in display.

Your cassette at a glance

Switching on cassette operation

Push cassette into cassette compartment until it clicks into position:

Radio → Cassette



Fast forward wind

Press the  button up to the first lock-in position (half pressed 

The unit is switched from cassette playback to fast forward wind.

To stop fast wind,

- lightly press the button ()
- or
- tape stops automatically when end is reached.

Traffic flash standby when playing back cassettes

Switch on traffic flash standby¹ using  button: VF in display.

During the traffic flash announcement, cassette playback will be stopped.

A warning tone will sound if no traffic flash station can be received:
Switch off traffic flash standby¹ using  button.

¹ *Traffic flash standby*, see page 27.

Switching off cassette operation

Press button  fully in ():

Cassette → Radio

The released cassette can be left in the cassette compartment.

*Tape cassettes used in a car radio are subjected to high thermal stress.
We therefore recommend that you only use good-quality C 60 and C 90 cassettes.*

Radio

Reception conditions

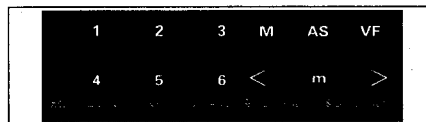
While the vehicle is moving, the reception conditions are constantly changing. Mountains, buildings, and bridges may interfere with the reception. This is especially true if you are a long way from the transmitter. You should therefore always select the strongest and/or nearest transmitter.

Stereo broadcasts

When VHF stereo broadcasts are being received, the stereo symbol  appears in the display. If there is interference (eg: noise) during stereo reception, the unit automatically switches gradually to mono.

Autostore

Storing the 6 strongest stations of your reception area automatically, in the AS range, in the memory positions  – .



Storing

ie: re-allocating the automatic station memory (autostore):

- when used in a different locality (eg: when on holiday)

or

- when the set is first operated.

Stations previously stored in the automatic station memory will be erased.

Press the  button (for more than 3 seconds) until the sound is muted.

AS shown in display.

The storing process is completed after max. 5 traverses in the whole of the frequency range.

The reception sensitivity is increased during this after each traverse. After storing, you will hear the strongest station in memory position .

1 shown in display.

Memory position 1 : strongest station

Memory position 2 : second strongest station

etc.

Calling up stored stations

If the AS range has not already been selected: briefly press the  button.

AS shown in display.

Select the memory position: press the appropriate button  – .

The display will show . . .



5 Memory position (eg: 5)

AS AS range

 Stereo broadcast

DX Remote stations (highest reception sensitivity)

104.60 Reception frequency (eg: 104.60 MHz).



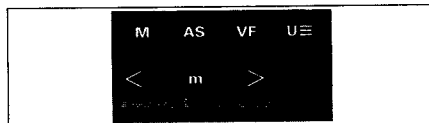
Radio

- C** On stations with traffic flashes (eg: area code C).
Switch on traffic flash standby¹ with the **[VF]** button.
- VF** On traffic flash standby¹.
Storing traffic flash standby¹:
press the appropriate button **[1] – [6]** and hold until the station tuned to becomes audible again.

If you do not wish to use the advantages of autostore, you can also allocate the memory positions of the AS range manually:

see "Range selection"
"Station tuning"
"Storing stations in memory"

Range selection



U range VHF 87.5 - 108 MHz

In order to increase the number of the memory positions in the U range, the unit is provided with 3 U ranges:

— U, = U, ≡ U

Switching over between the U ranges with the **[U≡]** button (stepping button).

Press **[U≡]** button briefly²:

— **U** or
= **U** or
≡ **U** shown in display.

M range MW 528 - 1605 kHz

Press **[M]** button:

M shown in display.

AS range VHF 87.5 - 108 MHz

Press **[AS]** button briefly³:

AS shown in display.

² pressing longer: "Coding".

³ pressing longer: "Autostore".

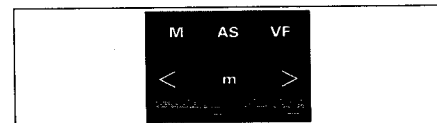
Station tuning

Automatic station search or manual station tuning

Before doing this:
select the range.

If you wish only to tune to stations with traffic flashes:
select traffic flash standby¹ with the **[VF]** button,

VF shown in display.



Automatic station search

Press **[<]** or **[>]** button:

- [<]** to lower frequencies
- [>]** to higher frequencies

Automatic switch-over of reception sensitivity (3-stage)

Press **[<]** or **[>]** button briefly:

The station search stops . . .

- on the 1st traverse (in the whole of the frequency range), only at very strong stations (nearby stations),

¹ "Traffic flash standby" see page 27.

Radio

- on the 2nd traverse, at all strong stations and
- on the 3rd traverse, at all stations capable of reception (nearby and remote stations); **DX** shown in display.

If you want to listen to a different station, press the or button again. On the 2nd and 3rd traverses within approx. 60 seconds, as otherwise the reception sensitivity will be the same as on the 1st traverse.

Selecting highest reception sensitivity directly

Press or button until **DX** appears in display.

The station search stops at all stations capable of reception (nearby and remote stations).

Manual station tuning

To do this, first press the button and then press the or button:

Pressing button briefly
– frequency changes in steps

Pressing button longer
– frequency changes rapidly

to lower frequencies

to higher frequencies

The display will show ...



U	U range
	Eg: 3rd memory level
AS	AS range
C	On stations with traffic flashes (eg: area code C). Switch on traffic flash standby ¹ with the button.
VF	On traffic flash standby ¹ .
	Stereo broadcast
DX	Remote station (highest reception sensitivity)
104.60	Reception frequency (eg: 104.60 MHz)
M	M range

Storing stations in memory

Any stations listened to can be stored in the memory positions – .

Each of the memory positions can be allocated to one station of the ranges:

1 ×		1 × AS
1 ×		1 × M
1 ×		



Storing

Before doing this:
select the range,
tune to station.

Selecting memory position:
press the appropriate button – and hold until the tuned in station becomes audible again.

The station is stored in the memory; it replaces any station previously allocated to the memory in the same range.

If the supply voltage is disconnected, the contents of the memory remain intact.

¹ "Traffic flash standby", see page 27.

Radio

Selecting stored stations

Before doing this:

select the range.

In the display, you will see the last frequency tuned to in this waveband (last-station memory).

Selecting memory position:

press the appropriate button **1** – **6**.

The display will show ...



- 5** Memory position (eg: 5)
- U** U range
- ≡** Eg: 3rd memory level
- AS** AS range
- VF** On traffic flash standby¹.
- C** On stations with traffic flashes (eg: area code C).
- ∞** Stereo broadcast
- DX** Remote station (highest reception sensitivity)



104.60 Reception frequency
(eg: 104.60 MHz)

M M range

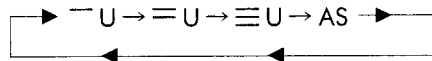
Scan function

Before doing this:

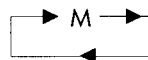
store stations in memory.

Automatically calling up stations stored in the memory positions **1** – **6**.

In the U ranges



In the M range



Starting Scan function

Press the **SCAN** multifunction control. You will hear each station for approx. 7 seconds.

Interrupting Scan function

If you wish to hear a station for a longer time, press the **SCAN** multifunction control again.

Stop the Scan function

by pressing the **≡** button.

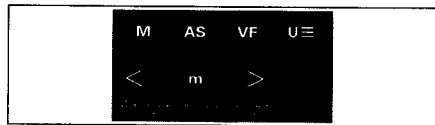
¹ "Traffic flash standby", see page 27.

Radio

Traffic flash standby

for traffic announcements

In the range $\text{—} \text{U}$, = U , ≡ U and AS, you can switch on or off the traffic flash standby with the **VF** button when a traffic news station (area code, eg: **C** in display) is received.



Switching on traffic flash standby

Press **VF** button:
VF shown in display.

If the station tuned to is not a traffic news station, the station search starts automatically (see "Automatic switch-over of reception sensitivity", page 24).

The display will show ...



- U** U range
- ≡** Eg: 3rd memory level
- AS** AS range
- VF** On traffic flash standby¹
- C** On stations with traffic flashes (eg: area code C).
- ∞** Stereo broadcast
- DX** Remote station (highest reception sensitivity)
- 104.60** Reception frequency (eg: 104.60 MHz)

Traffic flashes come through with a certain minimum volume, even if the $\blacktriangle$ multifunction control is set to a lower volume.

If you wish to listen only to traffic flashes, set the volume to "null" using the $\blacktriangle$ multifunction control.

If you leave the broadcasting area of the traffic news station tuned to, the station search will start after approx. 30 seconds automatically.

If no traffic flash station can be found, a warning tone sounds after the third traverse.

The warning tone goes out, if the traffic flash standby is switched off with the **VF** button.

¹ "Traffic flash standby", see page 27.

Coding

Attempt	Display shows	Approx. waiting time
1	1	
2	2	21 secs.
3	3	1.5 mins.
4	4	5.5 mins.
5	5	22 mins.
6	6	1.5 hrs.
7	all frames	6 hrs.
8	flash	24 hrs.

3. Switch on unit
with **OI** multifunction control (press):
SAFE shown in display.
After approx. 3 seconds:
1 - - - **1** shown in display.

4. Enter code number by repeatedly
pressing buttons **1** - **4**.

Example: 1658

1 button do not press 1 - - - **1**
2 button press 7 times 1 6 - - **1**
3 button press 6 times 1 6 5 - **1**
4 button press 9 times 1 6 5 8 **1**

Example: 703

1 button press once - - - **1**
2 button press 8 times 7 - - **1**
3 button press once 7 0 - **1**
4 button press 4 times 7 0 3 **1**

In case of wrong entry, overwrite code number, ie: re-enter code number.

5. Confirm code number with **U** button;
press for more than 3 seconds:

SAFE shown in display.

After approx. 3 seconds:

Radio plays.

Wrong code number has been entered:

SAFE shown in display.

Radio does not play.

Start once more. Observe the waiting times **between** the attempts if this is done.

The waiting time is over when the number of the next attempt, eg: **2** appears in the display.

Deactivation

Cancelling the "Activation", eg: when removing the unit.

1. Radio plays.

2. Press **U** button

for more than 3 seconds:

SAFE shown in display.

After approx. 3 seconds:

1 - - - **1** shown in display.

3. Enter code number (see Identity Card) by repeatedly pressing the buttons **1** - **4**:

Example: 1658

1 button do not press 1 - - - **1**
2 button press 7 times 1 6 - - **1**
3 button press 6 times 1 6 5 - **1**
4 button press 9 times 1 6 5 8 **1**

Example: 703

1 button press once - - - **1**
2 button press 8 times 7 - - **1**
3 button press once 7 0 - **1**
4 button press 4 times 7 0 3 **1**

In case of wrong entry, overwrite code number, ie: re-enter code number.

4. Confirm code number with **U** button;
press for more than 3 seconds:

SAFE shown in display.

After approx. 3 seconds:

Radio plays.

Wrong code number has been entered:

SAFE shown in display.

Radio does not play.

Start once more. Observe the waiting times **between** the attempts if this is done.

The waiting time is over when the number of the next attempt eg:

2 appears in the display.

Care and maintenance

The unit has been designed throughout to guarantee maintenance-free operation over a long period. However, if a malfunction should occur, consult your dealer.

In the Federal Republic of Germany, Grundig car radios can be exchanged by your dealer on request in the event of a defect occurring for a works-tested exchange unit.

Prerequisite for the participation in this exchange system by your dealer is the presentation of the intact guarantee seal.

Cassettes should not be exposed to elevated temperatures (see information given by the manufacturer) and should be put back into their containers after use.

The **front trim** should only be cleaned with a soft cloth which picks up dust. Polishing and cleaning agents may damage the surface of the trim.

The **sound head** must be free from tape abrasion particles if losses in the treble reproduction are to be avoided. You should therefore clean the sound head with a cleaning cassette after every 50 - 100 hours the cassette section is in operation.

Mounting & removal

Mounting material and accessories

The parts required for fitting and the accessories available are indicated in the "Grundig car radio accessories list".

The figures 1 - 4 for the text are located on the end of the booklet.

Inserting mounting frame

Figure 4

- Insert the mounting frame **b** in the instrument cut-out **a** of the vehicle.
- Bend the tabs **c** behind the instrument cut-out **a** as required (depending on the type vehicle).

Connecting aerial

Figure 1 and 2

- If required, use the aerial adapter (figure 1).
- Fix the aerial adapter (Fig. 1) or aerial lead (Fig. 2) in the plastic holder.

Mounting and removal

Contact blades 1 to 12

Figure 3

Loudspeakers

Output power

– 4x4 Ω :

peak	4 x 10 W
sine, DIN 45324	4 x 5 W

– 2x2 Ω (2 loudspeakers in parallel):

peak	2 x 20 W
sine, DIN 45324	2 x 10 W

– 2 x 4 Ω :

peak	2 x 12 W
sine, DIN 45324	2 x 6 W

- 1 Right-hand rear loudspeaker
- 2 Right-hand rear loudspeaker – chassis return
- 3 Right-hand front loudspeaker
- 4 Right-hand front loudspeaker – chassis return
- 5 Left-hand front loudspeaker
- 6 Left-hand front loudspeaker – chassis return
- 7 Left-hand rear loudspeaker
- 8 Left-hand rear loudspeaker – chassis return

Supply voltages

9 + 12 V standby voltage

Connect to permanent plus **terminal 30** of the vehicle if the + 12 V operating voltage (contact blade **11**) is connected via the ignition lock **terminal 15**.

10 + 12 V control voltage, max. 1 A

Drive voltage for automatic aerial (extension and retraction), power amplifier (switching on and off), etc. and supply voltage for aerial amplifier.

11 + 12 V operating voltage

Connect to **terminal 15** of the vehicle if you wish to switch the car radio on and off with the ignition lock. In this count, the contact blade **9** must be connected to the permanent plus terminal **30**.

Connect to **terminal 30** of the vehicle if you do not wish to switch the car radio on and off via the ignition lock.

12 – terminal (chassis)

Connect to **terminal 31** (chassis) of the vehicle.

Fuse

Figure 3

Fuse type T 5 A (plugged).

Inserting car radio

Figure 4

- Push the car radio into the mounting frame **b** up to the stop.

Pulling out car radio

Figure 4

- Insert both bows **d** in the apertures of the trim up to the stop.
- Press both bows outwards $\leftrightarrow$ and slowly pull out the car radio.

E. & O.E.

Subject to technical alterations and alterations in styling.

WKC 2803 VD

